VOLUME CONTENTS

Volume 1 Number 1 **1988**

C. E. MACELLARI and N. J. SNELLING — 1 Editorial

S. M. COUTO ANJOS and A. V. CAROZZI — 3 Depositional and diagenetic factors in the generation of the Santiago arenite reservoirs (Lower Cretaceous): Araçás oil field, Recôncavo Basin, Brazil

S. MAHLBURG KAY, V. MAKSAEV, R. MOSCOSO, C. MPODOZIS, C. NASI and C. E. GORDILLO — 21 Tertiary Andean magmatism in Chile and Argentina between 28°S and 33°S: correlation of magmatic chemistry with a changing Benioff zone

MYRL E. BECK, JR. — 39 Analysis of Late Jurassic–Recent paleomagnetic data from active plate margins of South America

E. LINARES, M. C. CAGNONI, M. DO CAMPO and H. A. OSTERA — 53 Geochronology of metamorphic and eruptive rocks of south-eastern Neuquén and northwestern Río Negro Provinces, Argentine Republic

B. LEVI, J. O. NYSTRÖM, R. THIELE and G. ÅBERG — 63 Geochemical trends in Mesozoic–Tertiary volcanic rocks from the Andes in central Chile, and tectonic implications

C. W. RAPELA, L. A. SPALLETTI, J. C. MERODIO and E. ARAGÓN — 75 Temporal evolution and spatial variation of early Tertiary volcanism in the Patagonian Andes (40°S–42°30′S)

R. H. SILLITOE — 89 Epochs of intrusion-related copper mineralization in the Andes

K. BUTLER and S. SCHAMEL — 109 Structure along the eastern margin of the Central Cordillera, Upper Magdalena Valley, Colombia

Volume 1 Number 2 **1988**

T. J. DEVRIES — 121 The geology of late Cenozoic marine terraces (tablazos) in northwestern Peru

R. CAMINOS, E. J. LLAMBIAS, C. W. RAPELA and C. A. PARICA — 137 Late Paleozoic–Early Triassic magmatic activity of Argentina and the significance of new Rb–Sr ages from Northern Patagonia

J. MUÑOZ B. and C. R. STERN — 147 The Quaternary volcanic belt of the southern continental margin of South America: transverse structural and petrochemical variations across the segment between 38°S and 39°S

A. E. RAPALANI, J. F. VILAS and D. A. VALENCIO — 163 New evidence for an allochthonous plate in central southwestern Argentina?

P. SOLER and M. G. BONHOMME — 169 New K–Ar age determinations of intrusive rocks from the Cordillera Occidental and Altiplano of central Peru: identification of magmatic pulses and episodes of mineralization

M. G. Bonhomme, M. Fornari, G. Laubacher, M. Sebrier and G. Vivier — 179 — New Cenozoic K–Ar ages on volcanic rocks from the eastern High Andes, southern Peru

F. Hervé, F. Munizaga, M. A. Parada, M. Brook, R. J. Pankhurst, N. J. Snelling and R. Drake — 185 — Granitoids of the Coast Range of central Chile: geochronology and geologic setting

R. W. Galloway, V. Markgraf and J. P. Bradbury — 195 — Dating shorelines of lakes in Patagonia, Argentina

M. Vergara, R. Charrier, F. Munizaga, S. Rivano, P. Sepulveda, R. Thiele and R. Drake — 199 — Miocene volcanism in the central Chilean Andes (31°30′S–34°35′S)

M. A. Parada — 211 — Pre-Andean peraluminous and metaluminous leucogranitoid suites in the High Andes of central Chile

O. Schneider — 223 — In Memoriam—Daniel A. Valencio

Volume 1 Number 3 **1988**

G. Laubacher, M. Sebrier, M. Fornari and G. Carlier — 225 — Oligocene and Miocene continental sedimentation, tectonics, and S-type magmatism in the southeastern Andes of Peru (Crucero Basin): geodynamic implications

E. Nelson, B. Bruce, D. Elthon, D. Kammer and S. Weaver — 239 — Regional lithologic variations in the Patagonian batholith

M. A. Parada, S. Rivano, P. Sepulveda, M. Herve, F. Herve, A. Puig, F. Munizaga, M. Brook, R. Pankhurst and N. Snelling — 249 — Mesozoic and Cenozoic plutonic development in the Andes of central Chile (30°30′–32°30′S)

B. Spiro and A. Puig — 261 — The source of sulphur in polymetallic deposits in the Cretaceous magmatic arc, Chilean Andes

J.-L. Zimmermann, J.-M. Stussi, E. Gonzalez Partida and M. Arnold — 267 — K–Ar evidence for age and compositional zoning in the Puerto Vallarta-Río Santiago Batholith (Jalisco, Mexico)

J. Z. de Boer, M. J. Defant, R. H. Stewart, J. F. Restrepo, L. F. Clark and A. H. Ramirez — 275 — Quaternary calc-alkaline volcanism in western Panama: regional variation and implication for the plate tectonic framework

N. Z. Cherkis, J. M. Brozena, H. S. Fleming, R. K. Perry and J. J. Palma — 295 — The Bahia seamounts, Brazil Basin

W. P. Loske, H. Miller and U. Kramm — 301 — U–Pb systematics of detrital zircons from low-grade metamorphic sandstones of the Trinity Peninsula Group (Antarctica)

F. Munizaga, F. Herve, R. Drake, R. J. Pankhurst, M. Brook and N. Snelling — 309 — Geochronology of the Lake Region of south-central Chile (39°–42°S): preliminary results

Volume 1 Number 4 **1988**

K. M. SAVAGE, P. DE CESERO and P. E. POTTER — 317 Mineralogical maturity of modern sand along a high-energy tropical coast: Baixada de Jacarepaguá, Rio de Janeiro, Brazil

M. A. GALLISKI and J. G. VIRAMONTE — 329 The Cretaceous paleorift in northwestern Argentina: a petrologic approach

L. AGUIRRE — 343 Chemical mobility during low-grade metamorphism of a Jurassic lava flow: Río Grande Formation, Peru

M. A. DARDENNE, C. F. FERREIRA FILHO and M. R. MEIRELLES — 363 The role of shoshonitic and calc-alkaline suites in the tectonic evolution of the Carajás District, Brazil

C. E. MACELLARI — 373 Cretaceous paleogeography and depositional cycles of western South America

News of Work in Progress

J. N. KELLOGG — 419 Plate motion measurements with satellite geodesy in the Northern Andes

422 Upcoming Meetings/New Publications

423 Acknowledgment to Reviewers

i Volume 1 (1988) Title Page, Volume Contents and Author Index